

In the Claims

1. (currently amended) ~~A~~The liquid separator for separating liquid from a stream of fluid comprised of liquid and gaseous components, said liquid separator comprising:

a cylindrical housing having ~~a~~an upper portion, a bottom and an inner surface;

an inlet located in said cylindrical housing for receiving the stream of fluid;

a liquid outlet in the bottom of said cylindrical housing to remove liquid from said cylindrical housing, said liquid outlet being located generally centrally in said bottom;

a fluid outlet located in the upper portion of said cylindrical housing for removing the stream of fluid therefrom;

a deflector baffle within the cylindrical housing proximate to said inlet to direct the stream of fluid so as to flow generally circularly and downwardly around the inner surface of said cylindrical housing toward said liquid outlet; and

a plurality of radially directed baffles located at the bottom of said cylindrical housing to halt the circular motion of the stream of fluid from said inlet and to redirect the stream radially inwardly toward said liquid outlet whereby said liquid can be removed by means of said liquid outlet and fluid separated therefrom can be removed from said fluid outlet.

2. (currently amended) ~~A~~The liquid separator as defined in claim 1 wherein said inlet is located in the upper portion of said cylindrical housing.

3. (currently amended) ~~A~~The liquid separator as defined in claim 1 wherein said radially directed baffles are located in a lower chamber formed in said housing.

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4. (currently amended) ~~A-The liquid separator as defined in of~~ claim 3 wherein said radially directed baffles have upper edges and said lower chamber is formed by a baffle plate affixed to said upper edges of said radially directed baffles.

5. (currently amended) ~~A-The liquid separator as defined in of~~ claim 1 wherein said baffle plate is circular forming an annular slot between the baffle plate and the inter surface of said cylindrical housing.

6. (currently amended) ~~A-The liquid separator as defined in of~~ claim 4 wherein said baffle plate has a diameter a predetermined dimension smaller than the diameter of said inner surface of said cylindrical housing to form an annular slit between said circular plate and said inner surface of said housing.

7. (currently amended) ~~A-The liquid separator as defined in of~~ claim 6 wherein said radially directed baffles form radial channels within the bottom of said housing to direct the stream of fluid radially inwardly toward said liquid outlet.

Claims 8–23 (canceled)